

## **Peculiar features of reaction of 2-tert-butoxy-5,6-benzo-1,3,2-dioxaphosphinin-4-one with chloral. Steric structure of 2-chloro-3-trichloromethyl-6,7-benzo-1,4,2λ<sup>5</sup>-dioxaphosphin-5-one 2-oxide**

Konovalova I., Burnaeva L., Mironov V., Gubaidullin A., Dobrynin A., Litvinov I., Romanov S., Zyablikova T., Yashagina O.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

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### **Abstract**

The reaction of 2-tert-butoxy-5,6-benzo-1,3,2-dioxaphosphinin-4-one with chloral involves expansion of the six-membered heteroring to form 2-hydroxy-3-trichloromethyl-6,7-benzo-1,4,2λ<sup>5</sup>-dioxaphosphin-5-one 2-oxide as a single diastereomer. The product was chlorinated with thionyl chloride to obtain (RS,SR)-2-chloro-3-trichloromethyl-6,7-benzo-1,4,2λ<sup>5</sup>-dioxaphosphin-5-one 2-oxide.

<http://dx.doi.org/10.1023/A:1020859225163>

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